

# INTERNATIONAL SEARCH REPORT

Intern Application No  
PCT/GB 03/03510

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC 7 G01S3/54 G01S13/76 608B21/02  |  |  |
|---|--|--|
| According to International Patent Classification (IPC) or to both national classification and IPC   |  |  |
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>IPC 7 G01S G08B   |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched   |  |  |
| Electronic data base consulted during the International search (name of data base and, where practical, search terms used)<br>EPO-Internal, PAJ, WPI Data   |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |  |  |
| Category *  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.  |
| X   | US 5 714 932 A (CASTELLON ROBERTO J ET AL) 3 February 1998 (1998-02-03)<br>column 3, line 56 - line 62<br>column 4, line 56 -column 8, line 29<br>column 10, line 10 - line 67<br>column 16, line 33 - line 43<br>figure 3 | 1-46   |
| A   | WO 01 44830 A (FAVRE PATRICK ;DECLERCQ MICHEL (CH); ECOLE POLYTECH (CH))<br>21 June 2001 (2001-06-21)<br>page 7, line 18 -page 8, line 15<br>figure 2  | 1-46   |
| A   | US 5 945 947 A (CUNNINGHAM DAVID C)<br>31 August 1999 (1999-08-31)<br>abstract<br>figure 1   | 1-46   |
| -/--  |  |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.   |  |  |
| * Special categories of cited documents :<br>*A* document defining the general state of the art which is not considered to be of particular relevance<br>*E* earlier document but published on or after the international filing date<br>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>*O* document referring to an oral disclosure, use, exhibition or other means<br>*P* document published prior to the international filing date but later than the priority date claimed<br>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.<br>*&* document member of the same patent family |  |  |
| Date of the actual completion of the International search<br>3 December 2003  |  | Date of mailing of the international search report<br>13/01/2004 |
| Name and mailing address of the ISA<br>European Patent Office, P.B. 5818 Patentlaan 2<br>NL - 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax (+31-70) 340-3016   |  | Authorized officer<br>Ó Donnabháin, C                            |

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |  |                       |
|--|--|-----------------------|
| Category *   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| A  | US 4 317 120 A (BENTLEY W FERREL ET AL)<br>23 February 1982 (1982-02-23)<br>column 2, line 44 - line 55<br>column 5, line 25 - line 28<br>claim 1<br>----- | 3,15,33               |
| A  | US 5 525 967 A (AZIZI S MASIH ET AL)<br>11 June 1996 (1996-06-11)<br>claim 1<br>-----  | 1-46                  |
| P,X  | WO 02 073562 A (VISER TECHNOLOGIES LLC)<br>19 September 2002 (2002-09-19)<br>the whole document<br>-----   | 1-46                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern: / Application No

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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)                          | Publication<br>date                    |
|---|---|---------------------|---|--|
| US 5714932                                | A | 03-02-1998          | NONE  |  |
| WO 0144830                                | A | 21-06-2001          | FR 2802651 A1<br>AU 1686101 A<br>WO 0144830 A1      | 22-06-2001<br>25-06-2001<br>21-06-2001 |
| US 5945947                                | A | 31-08-1999          | NONE  |  |
| US 4317120                                | A | 23-02-1982          | NONE  |  |
| US 5525967                                | A | 11-06-1996          | NONE  |  |
| WO 02073562                               | A | 19-09-2002          | CA 2438172 A1<br>WO 02073562 A1<br>US 2003034887 A1 | 19-09-2002<br>19-09-2002<br>20-02-2003 |